

# Crowe & Dunlevy

A PROFESSIONAL CORPORATION

ATTORNEYS AND COUNSELORS AT LAW  
1800 MID-AMERICA TOWER  
20 NORTH BROADWAY  
OKLAHOMA CITY, OKLAHOMA 73102-8273  
(405) 235-7700  
FAX (405) 239-6651  
www.crowedunlevy.com

TULSA  
500 KENNEDY BUILDING  
321 SOUTH BOSTON AVENUE  
TULSA, OKLAHOMA 74103-3313  
(918) 592-9800  
FAX (918) 592-9801  
DAN P. DOOLEY  
DIRECT LINE (405) 235-7728  
DIRECT FAX (405) 272-5951

NORMAN  
THE HiPOINT OFFICE BUILDING  
2500 SOUTH MCGEE, SUITE 140  
NORMAN, OKLAHOMA 73072-6705  
(405) 321-7317  
FAX (405) 360-4002  
AT&T MAIL crowedun!dooleyd  
INTERNET dooleyd@crowedunlevy.cr  
X.400 /C=us/A=attmail/O=attmail/DT  
=crowedun!dooleyd

April 30, 2001

**Express Mail Receipt No. ET096926059US**  
**Deposited on April 30, 2001**

## BOX ASSIGNMENT

Director - U.S. Patent and Trademark Office  
Washington, D.C. 20231

Re: U.S. Patent Application entitled WRITING SERVO SECTORS TO A DISC  
DRIVE USING OFFSET HEADS  
Inventors: Qiang Bi, Xiong Liu, Kevin A. Gomez, Jimmy T. Pang and  
ChoonKiat Lim  
Filing Date: April 30, 2001  
Our Docket: 23182

Sir:

Enclosed for recording is the Assignment for the following United States patent  
application:

U.S. Patent Application entitled WRITING SERVO SECTORS TO A DISC  
DRIVE USING OFFSET HEADS  
Inventors: Qiang Bi, Xiong Liu, Kevin A. Gomez, Jimmy T. Pang and  
ChoonKiat Lim  
Filing Date: April 30, 2001  
Assignee: Seagate Technology LLC  
Our Docket Number 23182

A Recordation Form Cover Sheet - Patents Only, Form PTO-1595, is provided for the  
above documents. A check in the amount of \$40.00 is also enclosed to cover the recording fee.  
Should additional fees be required, you are hereby authorized to charge same to Deposit Account  
No. 13-0110.

BOX ASSIGNMENT

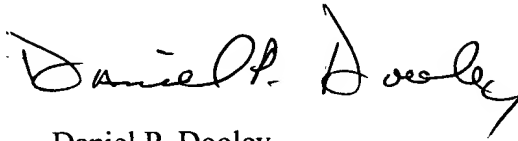
Director - U.S. Patent and Trademark Office

April 30, 2001

Page 2

The enclosed documents are being sent by Express Mail Receipt No. ET096926059US on April 30, 2001.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Daniel P. Dooley". The signature is written in a cursive, flowing style with a large initial "D".

Daniel P. Dooley  
Reg. No. 46,369

DPD/tl  
Enclosures

05-02-01

EXPRESS MAIL RECEIPT NO. ET096926059US  
DEPOSITED ON APRIL 30, 2001

A

PATENT  
DKT. 23182

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application  
Commissioner for Patents  
Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): **Qiang Bi, Xiong Liu, Kevin A. Gomez, Jimmy T. Pang and ChoonKiat Lim**

For (title): **WRITING SERVO SECTORS TO A DISC DRIVE USING OFFSET HEADS**

1. **Type of Application**

This transmittal is for an original (nonprovisional) application.

2. **Papers Enclosed**

A. Required for filing date under 37 C.F.R. 1.53(b) (Regular) or 37 C.F.R. 1.153 (Design) Application

21 Pages of Specification

13 Pages of Claims

4 Sheets of Drawings--Formal

B. Other Papers Enclosed

3 Pages of Declaration-Signed by Inventors

1 Pages of Abstract

2 Pages of Power of Attorney

3. **Additional Papers Enclosed**

Information Disclosure Statement (37 C.F.R. 1.98), including Form PTO/SB/08A and 08B (formerly PTO 1449) and nine (9) cited patent references.

Acknowledgment postcard

4. **Declaration or Oath**

Enclosed and Executed by the inventors, Qiang Bi, Xiong Liu, Kevin A. Gomez, Jimmy T. Pang and ChoonKiat Lim

**5. Inventorship Statement**

The inventorship for all the claims in this application is the same.

**6. Language**

English

**7. Assignment**

An assignment of the invention to Seagate Technology LLC is attached. A separate FORM PTO 1595 is also attached.

**8. Fee Calculation (37 C.F.R. Section 1.16)**

Regular Application

CLAIMS AS FILED					
Claims	Number Filed	Basic Fee Allowance	Number Extra	Rate	Basic Fee 37 CFR 1.16(a) \$710.00
Total Claims (37 CFR 1.16(c))	30	- 20 =	10 x	\$18.00	\$180.00
Independent Claims (37 CFR 1.16(b))	3	- 3 =	0 x	\$80.00	\$0.00
Multiple Dependent Claim(s), if any (37 CFR 1.16(d))			+	\$270.00	\$0.00
Filing Fee Calculation					\$890.00

**9. Fee Payment Being Made at This Time**

**Enclosed**

Filing Fee \$890.00

Recording assignment (\$40; 37 C.F.R. Section 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION".) \$40.00

**Total Fees Enclosed** \$930.00

**10. Method of Payment of Fees**

Checks in the amount of \$890.00 for filing fee and \$40.00 for recording of Assignment are attached.

**11. Authorization to Charge Additional Fees**

The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 13-0110.

37 C.F.R. Section 1.16(a), (f) or (g) (filing fees)

37 C.F.R. Section 1.16(b), (c) or (d) (presentation of extra claims)

37 C.F.R. Section 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)

37 C.F.R. Section 1.17(a)(1)-(5) (extension fees pursuant to SECTION 1.136(a))

**12. Instructions as to Overpayment**

Refund.

**ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF  
PRIOR U.S. APPLICATION CLAIMED**

**13. Relate Back**

**A. 35 U.S.C. Section 119(e)**

"This application claims the benefit of U.S. Provisional Application No.:  
**APPLICATION NO.** **FILING DATE**

60/235,592

09/27/2000

**14. Further Inventorship Statement Where Benefit of Prior Application(s) Claimed**

a. This application discloses and claims only subject matter disclosed in the prior application whose particulars are set out above and the inventors in this application are the same.

Respectfully submitted,

Date: 4/30/01

Daniel P. Dooley

Randall K. McCarthy, Reg. No. 39,297  
Bill D. McCarthy, Reg. No. 26,772  
Daniel P. Dooley, Reg. No. 46,369  
Martin A. Weeks, Reg. No. 37,753  
Timothy J. Bechen, Reg. No. 48,126  
CROWE & DUNLEVY, P.C.  
1800 Mid-America Tower  
20 North Broadway  
Oklahoma City, Oklahoma 73102  
405-235-7700 Telephone  
405-239-6651 Fax